**CREATE THE DATABASE:**

CREATE DATABASE PRODUCT\_DETAILS1;

TO USE THE CURRENT DATABASE TO MAKE NECESSARY CHANGES WRT TABLES

USE PRODUCT\_DETAILS1;

CREATE THE TABLE PRODUCTS TABLE:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PRODUCT\_TD | PRODUCT\_NAME | PRODUCT\_PRICE | PRODUCT\_CATEGORY | PRODUCT\_BRAND |

CREATE TABLE PRODUCTS

(

PRODUCT\_TD INT,

PRODUCT\_NAME VARCHAR(30),

PRODUCT\_PRICE FLOAT,

PRODUCT\_CATEGORY VARCHAR(40),

PRODUCT\_BRAND VARCHAR(20)

);

INSERT THE VALUES INTO TABLE PRODUCTS:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| PRODUCTS\_TD | PRODUCT\_NAME | PRODUCT\_PRICE | PRODUCT\_CATEGORY | PRODUCT\_BRAND |
| 111 | LUX | 30 | SOAP | UNILIVER |
| 222 | PANTEEN | 79 | SHAMPOO | P&G |
| 333 | AXE | 800 | SOAP | UNILIVER |
| 444 | DOVE | 40 | SOAP | UNILIVER |
| 555 | SANTOOR | 30 | SOAP | WIPRO |
| 666 | LIRIL | 30 | SOAP | HINDUSTAN |

INSERT INTO PRODUCTS VALUES(111,'LUX',30,'SOAP','UNILIVER');

INSERT INTO PRODUCTS VALUES(222,'PANTEEN',79,'SHAMPOO','P&G');

INSERT INTO PRODUCTS VALUES(333,'AXE',800,'SOAP','UNILIVER');

INSERT INTO PRODUCTS VALUES(444,'DOVE',40,'SOAP','UNILIVER');

INSERT INTO PRODUCTS VALUES(555,'SANTOOR',30,'SOAP','WIPRO');

INSERT INTO PRODUCTS VALUES(666,'LIRIL',30,'SOAP','HINDUSTAN');

TO GET THE DETAILS OF ALL THE DATA FROM THE TABLE

SELECT \* FROM PRODUCTS;

TO INSERT THE DATA TO SPECIFIC COLUMNS

INSERT INTO PRODUCTS(PRODUCT\_TD,PRODUCT\_NAME,PRODUCT\_PRICE) VALUES(777,'SUNSILK',60);

TO DELETE THE DATA INSIDE TABLE WITHOUT DELETING THE STRUCTURE

TRUNCATE TABLE PRODUCTS;

TO MAKE SURE ONLY SELECTED COLUMNS ARE DISPLAYED:

SELECT PRODUCT\_TD,PRODUCT\_NAME FROM PRODUCTS;

COLUMNS ARE DISPLAYED WITH CONDITION PRODUCT\_PRICE>=40:

SELECT \* FROM PRODUCTS WHERE PRODUCT\_PRICE>=40;

COLUMNS ARE DISPLAYED WITH CONDITION PRODUCT\_PRICE>=40:AND(LOGICAL) LESS THAN 80

SELECT \* FROM PRODUCTS WHERE PRODUCT\_PRICE>=40 AND PRODUCT\_PRICE<80;

COLUMNS PRODUCT\_ID,PRODUCT\_NAME ARE DISPLAYED WITH CONDITION PRODUCT\_CATEGORY='SOAP'

SELECT PRODUCT\_TD,PRODUCT\_NAME FROM PRODUCTS WHERE PRODUCT\_CATEGORY='SOAP';

LIST UNIQUE CATEGORY LIST(PRODUCTS TABLE)

SELECT DISTINCT PRODUCT\_CATEGORY FROM PRODUCTS;

LIST UNIQUE BRANDS=EITHER UNILIVER OR WIPRO

SELECT \* FROM PRODUCTS WHERE PRODUCT\_BRAND IN('UNILIVER','WIPRO');

SELECT \* FROM PRODUCTS WHERE PRODUCT\_BRAND NOT IN('HINDUSTAN');

SELECT \* FROM PRODUCTS WHERE NOT PRODUCT\_BRAND ='HINDUSTAN';

SELECT \* FROM PRODUCTS WHERE PRODUCT\_BRAND!='HINDUSTAN';

CREATED TABLE FOR CUSTOMER

CREATE TABLE CUSTOMER

(

CUST\_ID INT,

CUST\_NAME VARCHAR(30),

CUST\_PHONE INT,

CUST\_EMAIL VARCHAR(50),

CUST\_ADDRESS VARCHAR(30)

);

TO MANIPULATE THE COLUMNS OR PROPERTIES OF ALREADY CREATED TABLE:

ALTER TABLE CUSTOMER ALTER COLUMN CUST\_PHONE BIGINT;

TO ADD THE COLUMN TO THE EXISTING TABLE

ALTER TABLE CUSTOMER ADD DOB DATE;

INSERT DATA

INSERT INTO CUSTOMER VALUES(2,'ANIL',6776890978,'ANIL@GMAIL.COM','BEL ROAD');

UPDATE ALL ROWS WITH DOB='02-JUNE-2021'

UPDATE CUSTOMER SET DOB='02-JUNE-2021'

TO UPDATE THE RECORD

UPDATE CUSTOMER SET DOB='02-JUNE-2021' WHERE CUST\_ID=1;

EXEC SP\_RENAME 'CUSTOMER.CUSTID','CUSTOMERID','COLUMN'

DROP A COLUMN

ALTER TABLE CUSTOMER DROP COLUMN DOB;

SELECT \* FROM CUSTOMER;

DELETE A RECORD

DELETE FROM PRODUCTS WHERE PRODUCT\_TD=333;

SELECT AVG(PRODUCT\_PRICE) FROM PRODUCTS;

SELECT SUM(PRODUCT\_PRICE) FROM PRODUCTS;

SELECT COUNT(PRODUCT\_PRICE) FROM PRODUCTS WHERE PRODUCT\_PRICE=30;

SELECT MIN(PRODUCT\_PRICE) FROM PRODUCTS;

SELECT MAX(PRODUCT\_PRICE) FROM PRODUCTS;

ORDERBY A SET OF RECORDS

SELECT PRODUCT\_TD,PRODUCT\_PRICE FROM PRODUCTS ORDER BY PRODUCT\_PRICE DESC,PRODUCT\_TD;

INSERT INTO PRODUCTS VALUES(333,'TTT',66,'SOAP','YYYY');

SELECT PRODUCT\_PRICE,PRODUCT\_NAME FROM PRODUCTS ORDER BY PRODUCT\_PRICE DESC,PRODUCT\_NAME;

MULTI CHAR MATCH

SELECT \* FROM PRODUCTS WHERE PRODUCT\_NAME LIKE '%X';

SINGLE CHAR MATCH

SELECT \* FROM PRODUCTS WHERE PRODUCT\_BRAND LIKE '\_&\_';

BETWEEN MATCH

SELECT \* FROM PRODUCTS WHERE PRODUCT\_PRICE BETWEEN 30 AND 66;

NOT BETWEEN MATCH

SELECT \* FROM PRODUCTS WHERE PRODUCT\_PRICE NOT BETWEEN 30 AND 66;

BETWEEN THE CHARS

SELECT \* FROM PRODUCTS WHERE PRODUCT\_NAME BETWEEN 'DOVE' AND 'LUX' ORDER BY PRODUCT\_NAME;